

US EPA ARCHIVE DOCUMENT



Michigan Clean Diesel Initiative (MiCDI)

September 17, 2009
Midwest Clean Diesel
Leadership Group Meeting

MiCDI: 2009 Accomplishments

The Michigan Clean Diesel Coalition

- ◆ 165 participants since the MiCDI's inception in October 2007 - a 76% increase in membership since 2008.
- ◆ 82% of participants are Michigan-based

MiCDI: 2009 Accomplishments

◆ Coalition Makeup

- 32% emissions reduction/engine equipment manufacturers
 - 13% State and federal officials
 - 11% Clean Cities Coalitions & Non-profits
 - 8% Associations
 - 8% Fuels and lubricant wholesalers/retailers
 - 6% Local and County Agencies
-
- 22% Other (i.e. trucking companies, retail universities, school districts, consultants, port facilities, utilities, etc.)

MiCDI: 2009 Accomplishments

Activities from October 2008- September 2009

- Coalition meetings held: 2
- Meetings attended to support statewide public transportation-related initiatives: 7
- Number of events attended that support Clean Cities' activities: 7
- Private industry seminars attended: 2
- Metropolitan planning organization meetings attended: 4
- Clean School Bus activities: 1

MiCDI: 2009 Accomplishments

Activities from October 2008- September 2009

- ◆ Held grant writing workshop in preparation for ARRA funding (February 2009)
 - Number of Attendees: 87
- ◆ The continuation of the Southeast Michigan Diesel Emissions Reduction Project – a 2 yr. project.
 - A partnership between Michigan Department of Environmental Quality, Marathon Oil Company and the Detroit Public Schools.
 - Goal: Install at least 160 diesel multi-stage filters and diesel oxidation catalysts on school buses for the Detroit Public Schools.

MiCDI: 2009 Accomplishments

Activities from October 2008- September 2009

- ◆ Developed the state's first Clean Diesel Grant Program:
 - Established operating guidelines, procedures and processes for grant application announcement, submission, review and evaluation, award, promotion and project management.

MiCDI: 2009 Accomplishments

Strides Toward Meeting Objective 1: Develop and Support State Coalitions

- Increased recruiting and marketing efforts to incorporate more:
 - School districts and higher education academic institutions
 - Local jurisdiction and county agencies
 - Agricultural equipment suppliers
 - Non road construction companies.
- in the MiCDI by working with statewide member groups, associations and through word of mouth.
- Implemented a limited communications strategy
 - MiCDI meeting postings listed on web site, along with meeting minutes.
 - Distributed a number of e-mail information updates to members regarding clean diesel activities.

MiCDI: 2009 Accomplishments

Strides Toward Meeting Objective 1: Develop and Support State Coalitions (continued)

- Provided support for adjunct Clean School Bus projects in the state
 - ◆ Staff have made themselves available for consultation on grant application development questions and supported statewide school districts' public relation events for receipt of federal competitive grant funding.
- Developed a closer working relationship with the Michigan Department of Transportation (MDOT)
 - ◆ Staff are working together on environmental justice issues, and are providing consultation on the availability of EPA and MDEQ resources to MDOT projects. These collaborative efforts are proving to be vital to areas of the state where there is the propensity for the resurgence of higher PM_{2.5} or Ozone emissions.

MiCDI: 2009 Accomplishments

Strides Toward Meeting Objective 2: Award of EPA Funds and Generation of Non-EPA Funding Sources

- Development of a formal (Michigan) State Clean Diesel Grant Program comprised the majority of staff time and commitment over the last fiscal year.
 - ◆ **State Clean Diesel Grant, 2008 and 2009 DERA funding:** The Southeast Michigan Diesel Emissions Reduction (Detroit Public Schools bus) Project.
 - ◆ Currently in the vehicle testing stage for equipment order placement.
 - ◆ Equipment installations to occur beginning in October 2009.

MiCDI: 2009 Accomplishments

Strides Toward Meeting Objective 2: Award of EPA Funds and Generation of Non-EPA Funding Sources (continued)

- ◆ State Clean Diesel Grant Stimulus Funding (ARRA)
 - A Request for Projects (RFP) released in May 2009.
 - Applications were made for a variety of idle reduction and exhaust control equipment, engine repowers and vehicle replacements.
 - ◆ More than \$3 million worth in project submissions made by 10 applicants.
 - ◆ Current status: Projects are at the end of the review and evaluation stage.
 - ◆ Award notifications expected in early October 2009.
 - ◆ Sub grantee contracts expected to be signed shortly afterwards.

MiCDI: 2009 Accomplishments

Strides Toward Meeting Objective 3: Address Common Issues Across the Region

- ◆ Assistance with Climate Change Efforts – Working with the Michigan Department of Management Budget and the state fleet.
 - ◆ **Truck Idle Reduction policy**, a recommendation cited in the Michigan Climate Action Plan (March 2009).
 - Assist in the development of a Truck Idling Program for motor vehicles, buses and heavy-duty equipment.
 - Statewide legislation is one of the targeted idle reduction options for diesel engine trucks, possibly being introduced to the legislature by a non-governmental organization.
 - ◆ **Eco Driving Program**, a recommendation cited in the Michigan Climate Action Plan (March 2009)
 - Establish an awareness program for state employees and their use of the state of Michigan's vehicle and equipment fleet.

MiCDI: 2009 Accomplishments

Strides Toward Meeting Objective 3: Address Common Issues Across the Region (continued)

- Both the Southeast Michigan Diesel Emissions Reduction (Detroit School bus) Project and stimulus grant project funding were targeted toward areas of PM_{2.5} NAAQS non-attainment in Michigan.
 - ◆ Metropolitan Detroit area (7 counties)
 - ◆ Other counties within Michigan that were within 60-100% of the PM_{2.5} NAAQS standard (an additional 10 counties).

MiCDI: 2009 Accomplishments

- ◆ *Strides Toward Meeting Objective 4: Create Actions that Stir the Imagination – “Wish List” Items*
 - Still working on...
 - ◆ Recruiting and marketing efforts for MiCDI and State Clean Diesel Grant Program.
 - ◆ Finding new ways to work closer with statewide local and county agencies and their fleets.
 - ◆ The expansion of a state clean diesel program’s overall communication strategy.

Plans for 2010

◆ Objective 1: Develop and Support State Coalitions

Current Work Plan and Goals for 2010

- ◆ Continue partnerships with statewide associations, and increase recruiting and marketing efforts/develop a plan for expansion of membership in MiCDI to:
 - Private fleets (in the manufacturing, retail, wholesale & transportation sectors)
 - Equipment and technology providers
 - R&D companies concentrating on advanced technology (i.e. hybrids) and alternative fuels
 - Private foundations
 - Regional biofuels initiatives

Plans for 2010

◆ Objective 1: Develop and Support State Coalitions *(continued)*

Current Work Plan and Goals for 2010

- ◆ Maintain level of effort for existing communication strategy
 - More timely posting of web meeting minutes from coalition meetings.
 - Continue to periodically updates members on issues, resources and funding availabilities by e-mail distribution, presentations to coalition members and through telephone consultations.

Plans for 2010

◆ Objective 1: Develop and support state coalitions *(continued)*

Current Work Plan and Goals for 2010

– Provide support for adjunct Clean School Bus projects in the state

- ◆ Continue to provide consultation and technical support for local school districts to encourage these school districts to apply for available funding at the state and federal level in greater numbers.

Plans for 2010

◆ Objective 1: Develop and Support State Coalitions *(continued)*

Current Work Plan and Goals for 2010

- Support MDEQ SIP Efforts and Statewide Climate Change Activities Based on Governor's Executive Directive 2009-4
 - ◆ Voluntary efforts and activities to be concentrated in the state's ozone and particulate matter non-attainment areas.

Plans for 2010

◆ Objective 1: Develop and support state coalitions *(continued)*

Current Work Plan and Goals for 2010

- ◆ Work with other state agencies to complete Climate Change Initiatives
 - State energy efficiency programs within the Michigan Department of Energy, Labor and Economic Growth
 - Michigan Economic Development program – conduct a macro-economic analysis of the policy recommendations in the Michigan Climate Action Plan.
 - Michigan Department of Agriculture to identify opportunities for R&D, financing and product promotion for coalition members, and to assist in the implementation of carbon sequestration practices in the Michigan Conservation & Climate Initiative.
- ◆ Support and coordinate MiCDI activities with those of the state Clean City Coalitions.

Plans for 2010

◆ Objective 1: Develop and Support State Coalitions *(continued)*

Current Work Plan and Goals for 2010

- Develop a closer working relationship with the Michigan Department of Transportation (MDOT)
 - ◆ Encourage greater and more efficient use of existing transportation infrastructure to decrease the amount of overall state vehicle miles traveled.
 - ◆ Reduce statewide vehicle idling and traffic congestion.
 - ◆ Promote greater coalition use of CMAQ funding.

Plans for 2010

- ◆ Objective 2: Award of EPA Funds and Generation of Non-EPA Funding Sources
 - The MiCDI currently does not use any non-federal funding sources for coalition-supported diesel emissions reduction projects.
 - ◆ The MDEQ is committed to applying for federal and non-federal sources of funding assistance as they become available for DERA-related or Climate Change activities.
 - Coalition members provide limited levels of in-kind support (i.e. activity promotion, meeting refreshments, facility use, etc.).

Plans for 2010

- ◆ Objective 3: Address Common Issues Across the Region
 - Support MDEQ SIP Efforts and Statewide Climate Change Activities
 - ◆ (7) Counties in Metro Detroit area in non-attainment for $PM_{2.5}$ (two monitors in SW metro Detroit with the highest violations).
 - ◆ A proposed SIP is due in 2012 with attainment reached by 2014.
 - ◆ MiCDI activities and projects are a part of the local control and voluntary measures the state is implementing as part of their attainment strategy.

Plans for 2010

◆ Objective 4: Create Actions that Stir the Imagination – “Wish List” Items

Increase Overall Recruiting and Marketing Efforts

- ◆ Develop promotional brochure for the MiCDI
 - Networking benefits
 - Coalition members' names posted on MiCDI web
 - Stressing early notification of financing and other strategic partnership opportunities

Plans for 2010

- ◆ Objective 4: Create Actions that Stir the Imagination – “Wish List” Items *(continued)*
 - State Clean Diesel Program Strategy
 - ◆ Work closer with statewide local and county agencies and their fleets
 - Provide continuing education
 - Assist in the development and promotion of local diesel emission reduction projects
 - Assist in locating financing opportunities

Plans for 2010

- ◆ Objective 4: Create Actions that Stir the Imagination – “Wish List” Items *(continued)*
 - Expand Communication and Outreach Strategy
 - ◆ Workshop(s) designed to strengthen, enhance and bridge the communication divide between public and private organizations.
 - Partner with the state’s Green Construction/Green Jobs initiatives to connect with non-road diesel emission sources such as the construction, agricultural and mining sectors to promote statewide diesel emissions reduction activities.

Plans for 2010

- ◆ Objective 4: Create Actions that Stir the Imagination – “Wish List” Items *(continued)*
 - Develop a closer working relationship with the Michigan Department of Transportation (MDOT)
 - Encourage the use of Tier II or better engine technology, and the use of diesel retrofit equipment in state contracts for road and non-road projects in non-attainment areas of the state.

Issues of Concern/Questions

- ◆ Upcoming Issues of Concern: Future Funding and State Budget Reductions.
- ◆ Question: How do states currently conduct an audit of existing DERA or stimulus activity to ensure the purchase and installation of equipment and vehicles?



Michigan Clean Diesel Initiative (MiCDI)

Donna Davis

Michigan Department
of Environmental Quality

Office of Pollution Prevention and
Compliance Assistance

P.O. Box 30457

Lansing, MI 48911

(517) 335-2784

davisd8@michigan.gov

Thank You!

Other Questions?

